



Product Evaluation

WIN2217 | 0617

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-2217

Effective Date: June 1, 2017

Re-evaluation Date: March 2019

Product Name: Series HS-6200 Vinyl Horizontal Slider Window, Impact Resistant

Manufacturer: Custom Window Systems, Inc.
1900 SW 44th Ave.
Ocala, FL 34474
(352) 368-6922

General Description:

System	Description	Label Rating	Design Pressure Rating PSF
1	Series HS-6200 PVC Horizontal Slider Window (XO) – Fin/Flange	R-PG50 (74x63)-HS Missile Level D	+/-50
2	Series HS-6200 PVC Horizontal Slider Window (XX) – Flange	R-PG45 (74x63)-HS Missile Level D	+50/-45
3	Series HS-6200 PVC Horizontal Slider Window (XX) – Fin	R-PG40 (74x63)-HS Missile Level D	+45/-40
4	Series HS-6200 PVC Horizontal Slider Window (XOX) 1/3-1/3-1/3 – Flange	R-PG50 (111x63)-HS Missile Level D	+/-50
5	Series HS-6200 PVC Horizontal Slider Window (XOX) 1/3-1/3-1/3 – Fin	R-PG45 (111x63)-HS Missile Level D	+/-45
6	Series HS-6200 PVC Horizontal Slider Window (XOX) 1/4-1/2-1/4 – Flange	R-PG45 (111x63)-HS Missile Level D	+50/-45
7	Series HS-6200 PVC Horizontal Slider Window (XOX) 1/4-1/2-1/4 – Fin	R-PG45 (111x63)-HS Missile Level D	+/-45
8	Series HS-6200 PVC Horizontal Slider Window (XOX) 1/4-1/2-1/4 – Fin/Flange	R-PG50 (111x54)-HS Missile Level D	+/-50

Product Dimensions:

System	Overall Size	Operating Sash	Daylight Opening Size
1	74" x 63"	36" x 58-7/8"	32-1/16" x 55-1/16"
2	74" x 63"	36" x 58-7/8"	32-1/16" x 55-1/16"
3	74" x 63"	36" x 58-7/8"	32-1/16" x 55-1/16V
4	111" x 63"	36-11/16" x 58-7/8"	32-3/4" x 55-1/16"
5	111" x 63"	36-11/16" x 58-7/8"	32-3/4" x 55-1/16V
6	111" x 63"	28-1/8" x 58-7/8"	Sash: 24-1/4" x 55-1/16" Fixed: 49-13/16" x 55-1/16"
7	111" x 63"	28-1/8" x 58-7/8"	Sash: 24-1/4" x 55-1/16" Fixed: 49-13/16" x 55-1/16"
8	111" x 54"	28-1/8" x 49-7/8"	Sash: 24-1/4" x 46-1/16" Fixed: 49-13/16" x 46-1/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1347 Air/Water/Structural, CAR 138-555 Impact
	Product Name	6200 Impact Horizontal Slider XO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1337 Air/Water/Structural, CAR 138-547 Impact
	Product Name	6200 Impact Flange Frame Horizontal Slider XX
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1338 Air/Water/Structural, CAR 138-548 Impact
	Product Name	6200 Impact Fin Frame Horizontal Slider XX
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1343 Air/Water/Structural, CAR 138-551 Impact
	Product Name	6200 Impact Flange Frame Horizontal Slider XOX
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D

Product Identification (Certification Label on Window -continued):

System		
5	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1344 Air/Water/Structural, CAR 138-552 Impact
	Product Name	6200 Impact Fin Frame Horizontal Slider XOX
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
6	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CARR 138-1345 Air/Water/Structural, CAR 138-553 Impact
	Product Name	6200 Impact Flange Frame HS XOX 1/4-1/2-1/4
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
7	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1346 Air/Water/Structural, CAR 138-554 Impact
	Product Name	6200 Impact Fin Frame HS XOX 1/4-1/2-1/4
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D
8	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1376 Air/Water/Structural, CAR 138-564 Impact
	Product Name	6200 Vinyl Fin/Flange Impact Horizontal Slider XOX
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-8	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified are acceptable with the limitations specified in this report.

Installation:

System	Impact Resistant	Requirement
1-8	Type of Installation	Install and anchor the windows in accordance with drawings No.:
	Wall Framing	TDI-1070 - Sheets 1 through 5 of 5 dated November 12, 2015.
	Fasteners	TDI-1071 - Sheets 1 through 5 of 5 dated November 12, 2015.
	Fastener Location/Spacing	TDI-1072 - Sheets 1 through 5 of 5 dated November 12, 2015.
	Fastener Penetration	Drawings signed and sealed on September 29, 2016 by Lucas A. Turner, P.E.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.